

Application Number: 09/853,253

Amendment dated: 4/1/2004

Reply to Office Action dated October 1, 2003

Amendments to the Claims:

1. (Previously presented) An isolated polypeptide consisting of an amino acid sequence selected from the group consisting of:
  - a) the amino acid sequence as shown in SEQ ID NO:4;
  - b) the amino acid sequence as shown in SEQ ID NO:5; and
  - c) the amino acid sequence as shown in SEQ ID NO:6.
2. (Canceled)
3. (Withdrawn)
4. (Canceled)
5. (Withdrawn)
6. (Canceled)
7. (Withdrawn)
8. (Canceled)
9. (Withdrawn)
10. (Canceled)
11. (Previously presented) The isolated polypeptide according to claim 1, wherein the amino acid sequence is the amino acid sequence as shown in SEQ ID NO:4.
12. (Previously presented) The isolated polypeptide according to claim 11, wherein the amino acid sequence is the amino acid sequence from residue 52 to residue 75 as shown in SEQ ID NO:2.
13. (Previously presented) The isolated polypeptide according to claim 1, wherein the amino acid sequence is the amino acid sequence as shown in SEQ ID NO:5.
14. (Previously presented) The isolated polypeptide according to claim 13, wherein the amino acid sequence is the amino acid sequence from residue 52 to residue 74 as shown in as shown in SEQ ID NO:2.
15. (Previously presented) The isolated polypeptide according to claim 1, wherein the amino acid sequence is the amino acid sequence as shown in SEQ ID NO:6.

16. (Canceled)

17. (Canceled)

18. (Canceled)

19. (Previously presented) An isolated polypeptide consisting of the amino acid sequence as shown in SEQ ID NO: 4, wherein the polypeptide has an addition, and wherein the addition is selected from the group consisting of:

- a) an amino-terminal extension;
- b) a carboxyl-terminal extension;
- c) a linker peptide; and
- d) an affinity tag.

20. (Previously presented) The isolated polypeptide according to claim 19, wherein the amino-terminal extension is an amino-terminal methionine.

21. (Previously presented) The isolated polypeptide according to claim 19, wherein the amino-terminal extension or the carboxyl-terminal extension is a cysteine.

22. (Previously presented ) An isolated polypeptide consisting of the amino acid sequence as shown in SEQ ID NO: 5, wherein the polypeptide has an addition, and wherein the addition is selected from the group consisting of:

- a) an amino-terminal extension;
- b) a carboxyl-terminal extension;
- c) a linker peptide; and
- d) an affinity tag.

23. (Previously presented) The isolated polypeptide according to claim 22, wherein the amino-terminal extension is an amino-terminal methionine.

24. (Previously presented) The isolated polypeptide according to claim 22, wherein the amino-terminal extension or the carboxyl-terminal extension is a cysteine.

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25. (Previously presented) An isolated polypeptide consisting of the amino acid sequence as shown in SEQ ID NO: 6, wherein the polypeptide has an addition, and wherein the addition is selected from the group consisting of:
  - a) an amino-terminal extension;
  - b) a carboxyl-terminal extension;
  - c) a linker peptide; and
  - d) an affinity tag.
26. (Previously presented) The isolated polypeptide according to claim 25, wherein the amino-terminal extension is an amino-terminal methionine.
27. (Previously presented) The isolated polypeptide according to claim 25, wherein the amino-terminal extension or the carboxyl-terminal extension is a cysteine.